

Fellowship winner reinforces Trudeau ideologies

Jamie Hanlon

For Janine Brodie, being awarded a Trudeau fellowship is, in many ways, like coming full circle.

Though Brodie says winning this prestigious social sciences and humanities research award is a humbling honour, she notes that her first reaction was actually memories of her grandfather, a staunch Liberal and a former Grit candidate in Ontario. When her grandfather took ill, Brodie took his place at the fateful April 1968 Liberal leadership convention that swept Trudeau into the leadership of the party.

"Those memories are still as clear as they were the day after; it was such a transformative moment for me," said Brodie. "[Upon receiving the award] I immediately thought about that."

A self-confessed "Trudeauphile" as a teen, Brodie says she has always respected Trudeau's ideas in relation to social justice. Noting Trudeau's notion of a "just society," an ideology that was realized through policies on immigration and official bilingualism, as well as through the Charter of Rights and Freedoms, Brodie says some of the principles Trudeau stood for have stayed with her as a researcher, guiding her career by informing her research questions and ethics.

"Trudeau was clear that he thought democracy had an unrealized potential, and I think that's still the case," she said. "I continue to believe, contrary to popular opinion, that the state is an instrument through which society gives to itself. That is critical."

Brodie also noted that Trudeau believed those in the social sciences had an obligation to critique government policy from the basis of social justice. She says the job of social scientists is to hold government accountable by identifying social inequalities and deficiencies and directing them to better policies and ideals.

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Titanic visit



Engineering professor Rick Chalaturmyk explains the basics of carbon capture and sequestration in his NINT lab to director James Cameron. The Canadian-born director of Hollywood blockbusters "Titanic" and "Avatar" was on campus Oct. 6 to hear about the extensive oilsands research happening all across campus and to meet with water scientist David Schindler as part of his fact-finding mission to Alberta about the oilsands.

Former Canadian prime minister and other civic leaders to receive U of A's highest honour

Michael Davies-Venn

A former Canadian prime minister, a human-rights advocate and the current Alberta lieutenant governor will cross the stage during fall convocation ceremonies at the University of Alberta Nov. 17 and 18.

The U of A will confer honorary doctors-of-laws degrees on Kim Campbell, Canada's first female prime minister; Donald Ethell, one of Canada's most experi-

enced peacekeepers and Alberta's lieutenant governor, and Yvonne Shi-Wan Chiu, a U of A alumna and champion of immigrant and refugee rights.

"One of our core university values is enlightened service that builds citizenship. Each of these individuals has made exemplary contributions to our society as informed and engaged global citizens," said U of A Chancellor Linda Hughes.

Engaging with the global community has been a mark of Ethell's

life. During his service with the military, the veteran peacekeeper engaged in 14 peace-support missions to several countries including Israel and Egypt. Shortly before retiring, Ethell was the Canadian head of the European community's military mission to the former Yugoslavia in 1992.

Although Ethell left the military in 1993, he did not give up his lifetime commitment to global peace. He donned a new hat, this time as a humanitarian, helping refugees

in eastern Kenya and Somalia. Students from the faculties of arts, engineering, agricultural, life and environmental sciences, business, nursing and native studies, as well as Campus Saint-Jean and Augustana, will receive their degrees with Ethell during convocation.

As Canada's only female prime minister, Campbell continues to serve beyond the shores of her native country, decades after been at the helm of Canadian politics. She remains a strong advocate for the advancement of women, democratic development and nuclear non-proliferation. Campbell, Canada's 19th prime minister, now works to foster democracy worldwide, serving as chair of the World Movement for Democracy. Campbell also served as secretary general of the Club of Madrid, an organization of former heads of government and states who work to promote democratization.

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(L-R) Yvonne Shi-War Chiu, Kim Campbell and Donald Ethell will cross the stage during the U of A's fall convocation Nov. 17 and 18.

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Can bacteria clean up oilsands tailings?

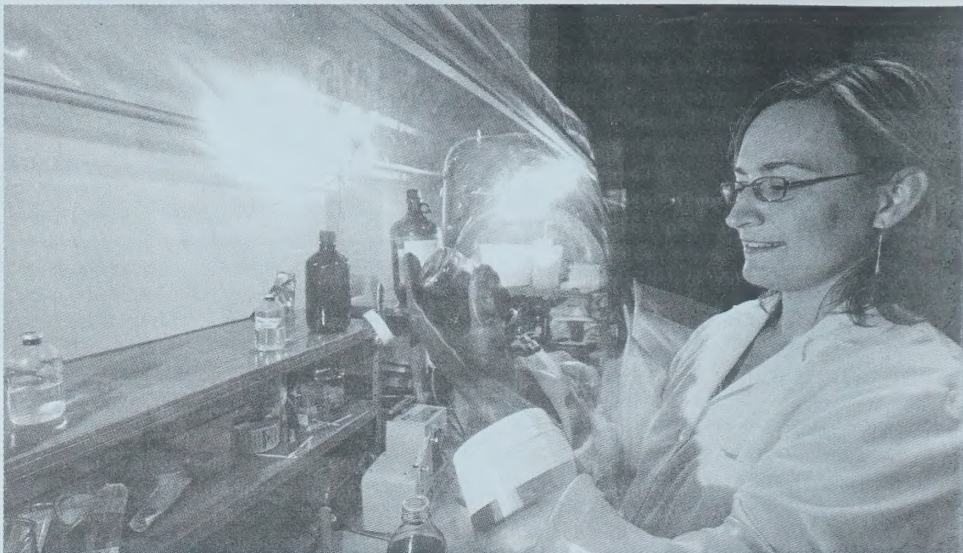
Richard Cairney

A University of Alberta engineering professor is conducting one-of-a-kind research monitoring groundwater beneath oilsands tailings ponds—and investigating whether bacteria can protect groundwater and clean up the tailings ponds.

Ania Ulrich, a researcher in the Department of Civil and Environmental Engineering, has been working with Suncor Energy to monitor groundwater beneath a new tailings pond. Ulrich has samples of the groundwater taken before tailings from the oilsands were poured into the pond, and regularly analyzes samples to see if there is any seepage of tailings into the groundwater channel. If there is any seepage, Ulrich wants to know if bacteria can clean it up.

"This is the first time anyone has been able to study a pond before a drop of water went into it," said Ulrich. "By looking at how pond water migrates into the underlying groundwater channels and the role native bacteria play, we may be able to use bioremediation to clean up the water underneath these tailings ponds."

Ulrich, Suncor and a research colleague at Alberta Innovates – Technology Futures have also built a small tailings pond of their own, adjacent to the tailings pond they are studying.



Engineering professor Ania Ulrich is researching ways that microbes can clean up toxic ponds.

While Ulrich's colleague at Alberta Innovates tracks the infiltration of the tailings water with isotopes, Ulrich tests the groundwater beneath the pond for salts, metals and naphthenic acids—evidence of seeping tailings—and looks at naturally occurring bacteria living in the groundwater to see if it is capable of breaking these chemicals down.

And because groundwater inches along at incredibly slow speeds—as slow as metres per year—Ulrich and research partners are able to conduct

"push-pull" tests, in which tailings water is analyzed, injected into the groundwater, then drawn back out of the groundwater to see what changes if any occurred.

"By looking at how pond water migrates into the underlying groundwater channels and the role native bacteria play, we may be able to use bioremediation to clean up the water underneath these tailings ponds," said Ulrich.

Ulrich's research is interdisciplinary in nature—bringing engineering

and microbiology together.

"I look at the bacteria in groundwater to see the capacity of existing bacteria to do this, or determine if we have to add a chemical oxidant to help them, or if we should add nutrients to get those existing bacteria to work more effectively," she said.

"I am able to identify the organisms involved and if you can prove that a certain gene is turned on, you can prove that it is eating the compound—that it isn't just a case of the contaminants going somewhere else." ■

Trudeau Fellowship

continued from page 1

As a political scientist, her Trudeau fellowship research project delivers on that Trudeau-esque idea, she says.

"The idea—that the award is about promoting research productivity and research impact, but also about concern for social justice, is the basis of the honour for me," she said.

Brodie will use the \$225,000 research prize, which is spread over three years, to look at issues of globalization and neo-liberalism of governance, specifically an erosion of the notion of collective responsibility and its relation to governance. Brodie says that, in the post-Trudeau era, there has been a shift of this social responsibility from the federal level to the provincial and municipal levels and to individual families.

"In relation to social governance, I increasingly think about federalism as 'doughnut federalism'—there's no centre in relation to social governance," she said. "The provinces have struggled with this for 10 to 15 years and there's been no coherent response."

Brodie's work will examine the six Canadian provinces that have implemented anti-poverty and poverty reduction strategies in the past eight years. Her focus will be on the genesis and the composition of the policies, determining, she says "how much is commitment and how much is rhetoric." By looking at the goals and the strategy to "rethink

social policy in a global era," she wants to be able to measure whether the policies are having an impact.

"I want to explore what we call policy diffusion," she says. "If the federal government no longer takes the role of policy thinking and policy leadership, where does new thinking about new policies come from?"

Her research will take her from the macro (global policy influences such as the World Bank) to the micro (studying an imported trend of anti-poverty activism called the "living wage campaign"). The research itself will be, in her words, "the study of watching where social thinking relocates in an era of globalization."

Seemingly, all things lead back to Trudeau, says Brodie, since he once argued that the provinces could be used for experimental modelling of social justice projects. Despite the legacy he left behind, Brodie doubts whether Trudeau's model of a federal government can ever be retrieved in this era of globalization and North American integration.

Yet, she is almost certain that he would approve of the research she is doing to analyze these new developments in social policy.

"To the extent that we're looking at the potential shifting of innovative social thinking in the provinces," she said. "I think he'd be happy that I critiqued that."

"I hope he'd smile on it." ■



Janine Brodie

Honorary Degree

continued from page 1

This is not the first time that Chiu has received a degree from the U of A, but this time, the university is celebrating the works of an alumna who left its classrooms and walked into the streets of Edmonton with a commitment to make a difference in the lives of refugees and immigrants to the city.

Having founded Edmonton's Multicultural Health Brokers Co-operative, the Healthy Community Development Network and the Health Care Citizenship Project, Chiu is recognized for leading transformative changes in the health, social services, employment and early education sectors to the benefit of

people from various ethnic groups in Edmonton.

Chiu will join in celebrations with graduands from the Faculty of Rehabilitation Medicine and School of Public Health. Close to 1,000 students are expected to cross the stage at the Northern Alberta Jubilee Auditorium during the two days of convocation ceremonies.

"Through their incredible dedication to serving and improving society, our honorary degree recipients have inspired and transformed. Their accomplishments are truly uplifting," said U of A President Indira Samarasekera. "I am delighted that we are welcoming these remarkable people to

Swaminathan honoured for agricultural advocacy

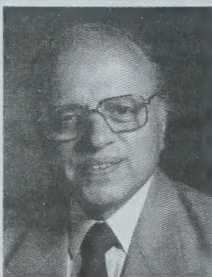
Inspired by India's independence in 1947 and driven by a desire to see his country hunger free, Monkombo Sambasivan Swaminathan has led a global movement in sustainable food security.

In recognition of his efforts over the last half-century, Swaminathan received a University of Alberta honorary doctor of science degree Oct. 7.

Swaminathan is a pioneer of the green revolution and a leader in his country on science and technology, said Nat Kav, associate dean of the U of A's Faculty of Agricultural, Life and Environmental Sciences.

"His contributions have been in the areas of science, in plant breeding and genetics, followed by taking that science to the level of the farmer and being concerned about gender equity and about the poorest of the poor—that's what I think makes him stand out," said Kav. "In this day and age, with climate change and everything else looming and threatening our food security, he has always advocated for sustain-

able agriculture and what he calls an 'evergreen revolution,' which is not just sustainable today but generations beyond." ■



Sambasivan Swaminathan

A German dream made real in Alberta

Michael Davies-Venn

Canadian researchers and industry leaders wanting to connect with colleagues in Germany will benefit from the Canadian Centre for Innovation and Research launched at the University of Alberta Oct. 5.

"Three years ago the German Federal Foreign Office launched an initiative aimed at the promotion of academic and scientific exchange between Germany and the world," said Georg Witschel, ambassador of the Federal Republic of Germany to Canada. "At that time it was nothing but a mere dream to bring one of the cornerstones of the initiative, the German Canadian Centre for Innovation and Research, to Edmonton.

"Some of the attendees here [at the launch] are among those who dreamed and never gave up on it."

As a result of the tenacity—a trait the ambassador says is characteristic of Albertans—Edmonton is in the esteemed company of five other major cities, including New York and Moscow, where similar centres have been established. Bernd Reuscher, honorary consul of the Federal Republic of Germany, says the U of A's privileged

position in Germany helped make the dream a reality.

"One argument for the proposal was because of the strong ties of the U of A with German universities, research foundations and industry. The U of A was uniquely positioned to play a leadership role in this new concept, [because it] currently has 16 partnerships with German universities and research foundations."

At the centre's dedication, U of A Provost Carl Amrhein talked about how the new centre delivers both on the expectations placed on the university to do everything that universities normally do by way of education, as well as serve the needs of the province and act as an incubator and connector between industry and researchers.

"This is a complex set of missions, and it's a wonderful day when we celebrate a major example of how the U of A meets those requirements. We're very pleased that our facility joins the list of such major initiatives financed by Germany," said Amrhein.

Housed at Enterprise Square, the centre will be a one-stop hub for Canadian universities, research institutions and industry leaders. "The centre

aims to foster collaborative scientific research of new technologies between Germany and Canada," said Witschel. "It serves to promote excellence. It will provide a venue for scholars, researchers and the business community for our two countries and promote close international co-operation with distinguished partners in research and innovation."

Reuscher added that Germany is the perfect partner for Canada. "Germany is a country with huge scientific and technological capabilities and a strong tradition of international partnership and collaboration. We know from our contacts in Germany that they are interested in finding partners here in Canada to participate in research or introduce technology applications."

Reuscher said the centre in Edmonton is set up differently than those in Tokyo, Delhi or Sao Paulo. While those represent German innovation abroad, the local centre facilitates engagement between Canada and Germany.

"This centre in Edmonton is the only one that is binational," Reuscher said. "It will dramatically change the way researchers, industry and institutions connect in Germany." ■



(L-R) Britta Baron, U of A vice-provost and vice-president, international, Georg Witschel, ambassador of the Federal Republic of Germany to Canada, and U of A provost and vice-president, academic, Carl Amrhein, cut the ribbon to launch the sixth worldwide German Canadian Centre for Innovation and Research.

Creating a more global engineer

Michael Brown

A chemical and materials engineering professor has developed a pilot project that sees University of Alberta engineering students collaborate with like students abroad on a socially relevant project.

Vinay Prasad has been awarded \$87,430 from the U of A's Teaching and Learning Enhancement Fund to develop a proposal entitled "Project-Based Global Service Learning for Engineers." He says the funding will help engineering students working to construct a small-scale bio refinery—which converts waste biomass into useful fuels and chemicals—to cover the cost of their experiments and travel to meet up with team members at one of the U of A's partner institution, the Indian Institute of



Vinay Prasad

Technology, Bombay, India.

"The project helps students have the experience of working on a design-related problem as part of a global, cross-cultural team in collaboration with students from another institution," said Prasad. "The students 'learn by doing,' and have control over the choice of socially relevant problem and the solution approach."

"They benefit from having interactions with the students and faculty of the other institution, and gain exposure to other world-views and philosophies of education and engineering."

All told, five U of A engineering students and an equal number of their IIT Bombay counterparts will spend the next year working on a compact biomass converter that can fit in the back of a trailer and is built to work in remote areas with

little or no power.

In the end, Prasad says possible outcomes of the partnerships include development of personal skills of students related to communication, understanding of issues at the interface of the technology and society, and taking ownership of open-ended problems by being involved in their selection. Prasad also sees his faculty benefitting from the emergence of new learning models for interaction with students in collaboration with other institutions.

"The ideal outcome would be for socially transformative technology to emerge from the projects," said Prasad. "If nothing else, this project will make use of the students' core competence in technical issues and places it in an environment of social responsibility and civic engagement."

The TLEF, launched in 2006, supports innovative projects at the U of A that create exceptional learning experiences and environments for students. ■

A break from the flock

Brian Murphy

The old proverb, "Birds of a feather flock together," might be in need of a rewrite, according to University of Alberta findings about chickadees.

Lead researcher Lauren Guillette says the first step in their research involved looking at how the song birds check out new territory.

"We characterized our chickadees as fast explorers or slow explorers," said Guillette, and the chickadees were then released into a large room lined with artificial trees. Researchers recorded how many trees, if any, the birds visited. Fast explorers flew to more trees, while slow explorers either stayed at the entrance or visited only a couple of trees.

Guillette, a PhD provisional candidate in psychology, says fast explorers are bold and go straight for what they want, while slow explorers are shy and take their time.

"Bold animals are generally more aggressive in pursuit of food or a mate," said Guillette. "But a shy or cautious animal might be a harder target for predators and might have a longer life."

To push their knowledge of how different animal personalities might adapt to situations in the wild, the researchers put the fast and slow explor-

ing chickadees to a learning test.

The birds were offered two separate recorded types of notes of chickadee sounds but only one was associated with a food reward. Guillette says both the fast and slow explorers caught on quickly and learned the rules of the task, but when the food-reward signal was switched to the other type of notes, the shy birds adapted more quickly than the bold chickadees.

"A lot of researchers had theorized that slow exploring birds will adapt faster to a changing environment, but we are among the first to actually put the theory to the test," said Guillette.

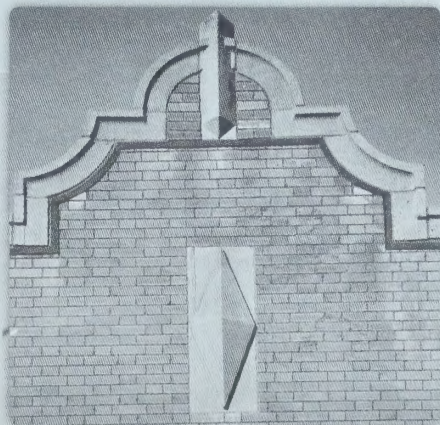
Outside the laboratory in the real world of chickadees, Guillette says a slow explorer's adaptability advantage shows itself when there's a change in its environment. That change could be the food supply, which could be affected by something as simple as the temporary absence of a homeowner who routinely filled a backyard bird feeder.

The researchers are cautious about linking bold and shy chickadees to human characteristics, but study co-author and U of A psychology researcher Chris Sturdy says there could be similarities. "If you wanted to anthropomorphize the research, the bold ones would be the charge straight ahead, go get 'em type of person." ■

Are You a Winner?

Congratulations to Maureen Winchester, whose name was drawn as part of folio's Sept. 24 "Are You a Winner?" contest, after she correctly identified the object in the photo as the west doors of the Timms Centre. For correctly identifying the photo in question, Winchester has won a copy of "Locating the Past/Discovering the Present: Perspectives on Religion, Culture and Marginality," edited by David Gay and Stephen Reimer, courtesy of the University of Alberta Press. This collection examines the production and recreation of religious ideas and images in different times and locations throughout history and around the world.

Up for grabs this week is a copy of "The Contemporary Arab Reader on Political Islam," courtesy of the U of A Press. Addressing the key issues such as Shari'ah, human rights, civil society, secularism, globalization and ummah, and the impact of the West on the modern Arab world, this book is the perfect starting point for students and academics looking to under-



stand "political Islam" in contemporary Arab and Muslim societies. To win a copy, simply identify where on campus the object of the picture is located. Email your correct answer to folio@exr.ualberta.ca by noon on Friday, Oct. 15, and you will be entered into the draw.

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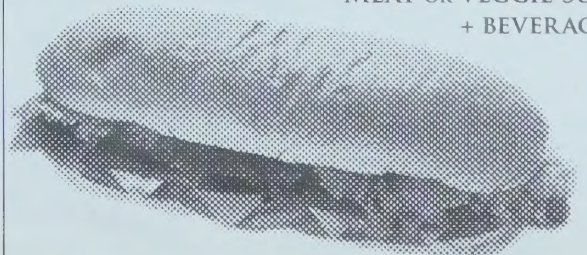
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University 101

Board of Governors: 'nose in, fingers out'

If there are aspects to the University of Alberta that you don't understand, chances are you're not alone. The university can be a complicated entity with many moving parts. To assist the campus community in better understanding who does what and how things get done at the university folio is introducing a new feature called University 101. This issue's topic is the second of a five-part series on governance.

Michael Brown

The conduct, management and control of the University of Alberta and all its property, revenue, business and affairs are vested in the U of A's board of governors.

A heady list of responsibilities for the 21-member group made up mainly of volunteers, who hold management to account for the long-term plan, the strategic direction of the institution and managing the budget, while remaining "non-operational," says Mike Percy, dean of the U of A's Alberta School

of Business, and noted authority on governance.

"There is a phrase, 'nose in, fingers out,' which means members of a board of governors or board of directors have a fiduciary responsibility to the organization to act in its best interests," while remaining at arm's length, said Percy. "As a board member, you discharge that responsibility by doing due diligence and the types of questions you ask."

"Essentially, the board of governors understands the day-to-day [operations of the university], but they are once removed. They have a longer-term focus, and they ensure that the management team, in this case the president, the provost and all the vice-presidents, are executing all the agreed-upon strategic plans."

The U of A's board of governors operates autonomously from the day-to-day operations of the university, receiving all of its authority and guiding principles from the provincial government's post-secondary learning act.

The 21-member board consists of a

chair, the chancellor, the president, a mix of staff, student and alumni representatives, and nine members of the public, all of whom are selected by way of a detailed and transparent screening process approved through the minister

and appoints the U of A president.

"I like to say the board is the business side of the university," said Haggarty-France. It has senior oversight of the institution; it concerns itself with the long-range planning and the business affairs of the institution.

Nothing outlines the board's responsibilities better than the titles of its seven standing committees outlined by the post-secondary learning act: the Board University Relations Committee (to be changed from the Board Community and Government Relations Committee pending board approval Oct. 15); the Board Audit Committee; the Board Finance and Property Committee; the Board Human Resources and Compensation Committee; the Board Investment Committee; the Board Safety, Health, and the Environment Committee; and the Board Learning and Discovery Committee.

"Universities would like to populate those committees with individuals who have certain expertise, who will act as good ambassadors for the university," said Percy. "A good functioning board is one that is independent of management but understands the pressures that management is under."

Joan Burke, manager of board services and secretary to the board of governors, says that the chair and vice-chair of each committee is generally selected from the public members of the board, and, depending on the committee, some external expertise is welcomed. "Audit, for example, is a committee where all members aren't board members, but non-board members provide valued

expertise in areas where the audit committee is mandated. Another, the Board Investment Committee, requires a level of expertise that not all members would feel comfortable with, but has external members that serve in that role on the committee."

Just as the post-secondary learning act gives authority to the board, Haggarty-France says the board has delegated a great deal of authority to the committees to act and make decisions on its behalf.

"With regards to a human-resources issue, the Board Human Resources and Compensation Committee would have authority to approve a mandate for negotiations that administration would put forward," said Haggarty-France. "Of course, the board approves any final collective agreement that has been negotiated."

"On the other hand, the BFPC committee reviews the budget, the capital plan and the university plan and recommend its approval to the full board, but would not have the authority to approve those things."

With so many moving parts, Percy says being a board member entails a singular dedication, whose main satisfaction comes from seeing the university flourish.

"Universities are key players in terms of the community and their impact on the economy, both provincially and nationally. They are complex institutions and are billion-dollar institutions," said Percy. "It can be a lot of work, but I believe board members have a sense that they're helping to build their community." ■

"A good functioning board is one that is independent of management but understands the pressures that management is under."

Mike Percy

of advanced education and technology's office.

"Good boards are often diverse," said Percy. "You'll often have one or two chartered accountants, a lawyer, as well as those who understand the business; in short, individuals who bring a series of different skills to the board."

These members are big-picture thinkers, says Marion Haggarty-France, university secretary in the U of A's governance unit. She says the board provides for the maintenance and approval of new buildings; it has the authority to purchase and acquire property; it fixes the various fees charged in connection with university courses; it makes financial provision for the establishment of new faculties, departments and courses;

Association keeps retired professors on campus

Michael Brown

For the University of Alberta's retired faculty, there is an association on campus that allows them to continue their relationships with the campus community. "Somewhere between 150–200 retired professors have joined the Association of Professors Emeriti where they are able to stay plugged into the university community," said Gordon Rostoker, professor emeritus in the Department of Physics and vice-president of the association.

The Association of Professors Emeriti was founded in the mid-1980s, with the goal of retaining in the campus environment the skills and wisdom of retired academics by providing a centre where they could be close to their former faculties and have an opportunity to interact with the campus community. Fast forward a quarter century,

and association's activities are centred in an old house on 89 Ave., provided by the university.

"From there, the association organizes several interest groups and activities that bring together the membership, which has been expanded from professors emeriti to include retired academic professional officers, faculty service officers and professional librarians, as well as retired university teaching staff without emeritus status," said Rostoker.

"The most recent interest group to develop is a current events group, which meets monthly to discuss topics of importance to the university and to society as a whole," said Rostoker. "When you get a bunch of articulate and often opinionated academics together, the sparks can really fly in arguments about matters ranging from energy for the future and the moral issues behind euthanasia."

Rostoker says one very successful as-

sociation activity has been "Lunch with . . ." in which invited speakers address members each month in the Papaschase Room of the Faculty Club on a wide range of topics.

"Many members of Association of Professors Emeriti do their best to stay involved in university activities by making themselves available to the administration for committee duties and helping in the supervision of graduate students where their experience and expertise is of value," said Rostoker. "In addition, the association tries to help in the undergraduate aspects of the university and has made a practice of making a sizable annual donation to the Student Emergency Fund."

Any retired members of the university community interested in keeping an involvement with the campus can become a member of the Association of Professors Emeriti by going to www.ualberta.ca/~emirhse. ■

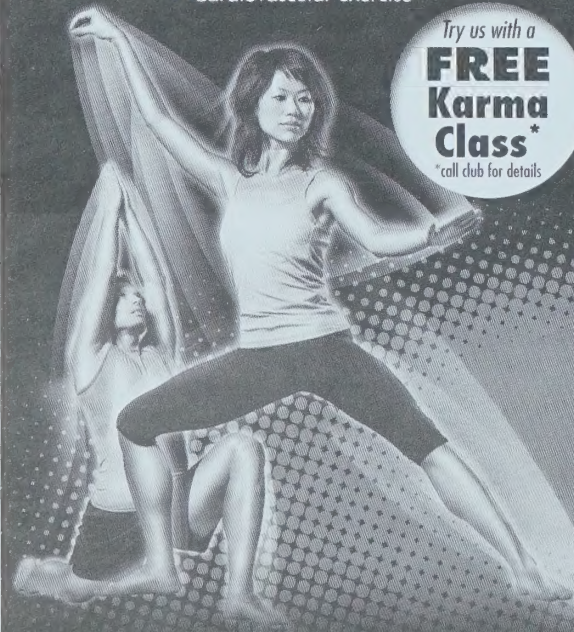
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The molecular makeup of a map librarian

Michael Davies-Venn

David Jones was training as a molecular biologist in 1970 when he realized that the life of a scientific researcher was not really his dream.

After telling his wife and his parents of his discontent, Jones switched gears and began pursuing an education in library and information science.

Shortly after completing his degree, Jones began work as a librarian at Humber College in Toronto, a job he held for nine years. In 1980, Jones moved his family to Alberta and started working at the University of Alberta as collections co-ordinator with the Science and Technology Library. Today, Jones cares for the William C. Wonders Map Collection, the second-largest map collection in Canada.

"When I was working on becoming a molecular biologist, I was trying to learn everything about a very tiny part of the spectrum of knowledge," said Jones, "but with maps, I learn about many different things. I've worked with people from all sectors of the university and from the community. I am always expanding my knowledge, as well as helping other people expand theirs."

Jones says the dynamic nature of working with the university's library system is one of the main reasons he has come to make the U of A home.

"The university is such a large and vibrant organization that one's job activities continually change," Jones said. "I evolved into the map librarian but I could have gone into half a dozen other areas within the library if I wanted to. I have been able to move in different areas."

Over the years, Jones has watched the libraries grow, as with more than seven million titles and 10 million physical items, the U of A Libraries now has the second largest academic and research collection in Canada and is ranked 12th in North America. But, Jones says the sheer size of the collection is not the only thing that has changed in his 30 years at the U of A.

"I remember when the first desktop computer came into the office," he said. "We did not know what we were going to do with it. When I came here we were using the card catalogue, which is one of the things I can still boast about, because I started that far back."

Jones says one of the great treasures of the job is the people he works with, many of whom have become more than just colleagues.

"I think of the people I work with as my daytime family," he said. "We work as a team; we respect each other's strengths"

An example of that collaborative work and team spirit was on display in recent exhibition at the Cameron Library that

staff spotlight

Jones curated called *Journeys Beyond the Neatline: Expanding the Boundaries of Cartography*.

"It was the first time I've done an exhibition and it was a fascinating learning curve for me, but we had an excellent team," said Jones. "I could not have done it without the others. We all pulled together. Everybody was aiming for the same goal, [because] we all share the same passion and philosophy."

Another recent first for Jones was bringing the oldest map now in the U of A collection to the university. A combination of fate and doing one of the things he loves about his job—helping students—made the catch possible.

"About three years ago, I made contact with a fellow in Vancouver. He was a Hungarian who came here in 1956 and since then had built a collection of Hungarian materials, books and maps and published a detailed bibliography, one of which was on maps. A graduate student who was using one of the bibliographies brought it to my attention. She had some questions, and in helping her, I tracked down the author, and he ended up donating more than 100 maps, our oldest map being one of them."

The map, titled *Buda*, is part of the

Horvath collection at the library and was first published July 12, 1493.

A recipient of an Honorary Alumni Award from the School of Library and Science this year, Jones is not the only one in his family who has come to make the university home.

"Both of my children studied here. My daughter is with the international centre now. My son is finishing his second degree in education and I have a niece who came from Toronto and

works in the Centre for Prions and Protein Folding Diseases. I have a son-in-law who's doing a doctorate in political science here, and when my father retired from the National Research Council, he and my mother moved to Edmonton where he continued his work and publication as a guest in the chemistry department. And my mother was part of the Association of Professors Emeriti group until she passed away.

"The U of A has become a family." ■



David Jones looks over a Hungarian map that dates back to July 12, 1493.

Prof inducted into Canadian Academy of Health Sciences

Donna Richardson

If it means that he will be in a stronger position to increase awareness about critical global health issues, then Walter Kipp is happy to be inducted as a Fellow of the Canadian Academy of Health Sciences.

"Generally, I'm not too keen on awards," said Kipp, a global health professor in the School of Public Health. "But, I like the idea of using this recognition to get important issues on the table and to use my expertise to collaborate with colleagues."

Kipp's interest in global health sprouted in the early 1980s when he served as a physician in Uganda. His exposure to the health needs of Ugandans prompted him to pursue further training.

Armed with his PhD in international health from Johns Hopkins University, Kipp returned to Uganda. There, he was stunned by the tremendous need for applied research in infectious diseases and committed to doing

something about it.

Perhaps one of Kipp's most important contributions—and one of which he is very proud—is the comprehensive HIV/AIDS control and prevention program he led in Western Uganda. This highly successful program resulted in a decrease in HIV infections in young pregnant girls from 33 per cent in 1991 to five per cent in 2005.

Since joining the U of A in 1997, he has devoted all of his scholarly work and graduate teaching to global health.

"Dr. Kipp is an outstanding academic who has been a mainstay of a vibrant global health initiative in our faculty," said Sylvie Stachenko, dean of the School of Public Health. "Besides his research accomplishments, he has been extremely active in training the next generation of global health researchers and practitioners."

Fellows of the Academy are elected on the basis of their demonstrated leadership, creativity, distinctive competencies and commitment to advance academic health sciences. ■

teaching & learning, learning & teaching

Teaching students how to apply poli sci

Michael Brown

Guiding her students to the happy middle ground between the best parts of the classroom and experience that only comes with hands-on research helped political-science professor Linda Trimble earn a McCalla Professorship.

"Imagine someone standing in front of the class and saying, 'this is how you develop interview questions, and when you interview people you should say this and that,' as opposed to the students interviewing each other or having an exercise where they actually have to apply what they have in their textbook to real-life interviewing," said Trimble. "I want the students to

actually apply [research techniques], rather than study them."

To this end, Trimble is in the process of developing course content for teaching political-science research methods, particularly qualitative methods such as discourse analysis. In addition to incorporating this material in undergraduate and graduate-level courses, Trimble says she plans on designing and leading a methodology workshop for political-science graduate students, providing opportunities for graduate-student publishing and giving presentations to the department on teaching research methods.

"Instead of telling the students, 'here's the research-methods toolbox, you use a hammer to do this, you use the screwdriver to do that,' I want to give them the toolbox and have them use the tools that are actually meaningful to them," she said. "In political science, our honours students have to write a thesis, and many of them do original research and are going onto grad school, so it is important to train them for data collection and analysis."

Trimble says in her course on media and politics, for instance, she has students do media-analysis projects, despite having few methodological tools to do so.

"I train them in class and they end up knowing more than they think they do," said Trimble. "They do a fantastic job, but going in I think I can develop clearer and stronger teaching methods for facilitating their learning on research methods."

Introducing hands-on research into her undergraduate classroom is nothing new for Trimble, who says

Dare to Discover, the university's academic plan, mirrors her own philosophy on discovery-based learning.

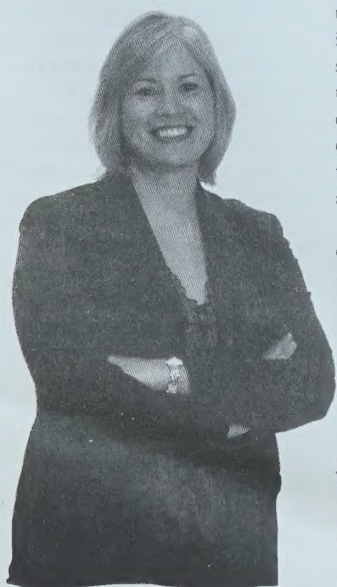
"I really appreciate that about the university's vision," said Trimble. "It's the overall approach to teaching and learning at this university that makes discovery-based learning possible, and validates you as a professor when that is what you want to do in the classroom."

The McCalla Professorships provide faculty members with an opportunity to explore and implement strategies integrating their research and teaching. Recipients are outstanding academics who have made significant contributions to their field of research, teaching and learning. The 2010–11 awards provide funding for teaching release, and research and teaching initiatives. ■

Book in the works

As part her professorship, Trimble says she is also hoping to soon finish a book she is writing that looks at media coverage of women prime ministers in Canada, New Zealand and Australia at various points in their political careers.

"Because the norms of political leadership are based on the performance of male prime ministers when women assume that position, their qualifications and their skills are considered to be somewhat questionable," she said. "Basically, women prime ministers are treated differently by the press because of their gender and that manifests itself in a variety of ways including 'lipsticks and hemlines coverage' to quite negative assessments of their leadership skills."



Linda Trimble

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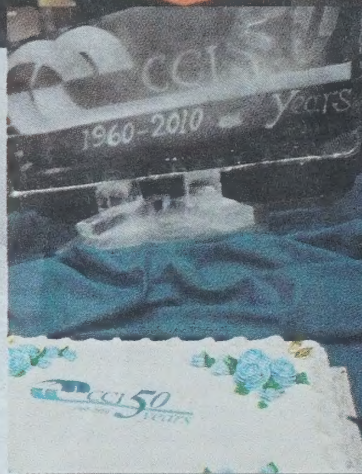
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Circumpolar Institute marks 50 years of researching the poles



The exhibit to mark the 50th anniversary of the U of A's Canadian Circumpolar Institute features equipment and artifacts of Arctic, Antarctic and Northern Canada research at the U of A. (Below) Visitors get an up-close look at ice monitoring equipment at the exhibit includes the EM Bird, a four metre-long, torpedo-shaped device that is slung beneath a helicopter and uses electromagnetic rays to record the thickness of sea ice.

Brian Murphy

The University of Alberta is celebrating 50 years of polar research with a museum exhibition that shows some of the changes witnessed and documented by the university over the last half century.

The exhibition, which opened to the public Oct. 7, is a collaboration between the Canadian Circumpolar Institute and the University of Alberta Museums. The institute is based at the U of A and supports and promotes interdisciplinary research in circumpolar regions including Northern Canada, the Arctic and Antarctica. It is involved with more than 200 U of A researchers and the 50th anniversary exhibition represents just a fraction of the polar artifacts and artwork held by the university's museum collections.

"The goal is to document change in the polar regions," said CCI director Marianne Douglas.

A radio transmitter collar, built tough enough to survive an Arctic journey around the neck of a polar bear, is also part of the display. "The data collected by the radio signals tells researchers about the movements of polar bears," said Douglas. "The collars document the bear's struggle to adapt to drastic reductions in sea-ice cover."

There's another animal pivotal to CCI research, a stuffed pika, a tiny member of the rabbit family. The pika is a vegetarian and as climate change extends the tree line northward, Douglas says institute researchers are finding species of the animal moving further north and at higher altitudes.

Deciding which pieces best reflected the exhibition theme of understanding change in the circumpolar world was a tough job, says Ellen Cunningham, manager of exhibitions and outreach for U of A Museums.

Cunningham says they wanted artifacts, art pieces and scientific equipment that researchers currently use to measure polar changes. As museum workers were putting the finishing touches on the exhibition for a preview showing tonight, Cunningham says everyone was holding their breath waiting for an important piece of science gear was still in transit from northern Europe.

"The EM Bird sea-ice monitoring equipment was in Norway a week ago today and it arrived here by truck from the Calgary airport just this morning," she said two days before the exhibit's opening.

Polar Impact: Understanding Change in the Circumpolar Worlds runs until Nov. 20 in the U of A Museums Gallery A, located in the TELUS Centre. ■



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What does sustainability look like?

Michael Brown

Beyond the colourful recycling stations, sustainability at the University of Alberta hides in plain sight.

Thus, in an effort to cast some natural light on some of the sustainable deeds being undertaken at the U of A, the Office of Sustainability has been holding Campus Sustainability tours.

"When it comes to campus sustainability, there is more going on than the eye reveals, but until somebody points it out you would never know," said Remi Charron, sustainability projects intern, tour guide and U of A master's in education student.

Held every other Friday, Charron says the main purpose of the tours is to educate staff, students and prospective students about the leadership role the U of A is playing in creating sustainable practices and policies.

"We want to educate the campus community," said Charron. "There are a lot of things being done, but students walking through the campus would have no idea what our grass-cutting policy is by just looking at the grass. The tour makes explicit some of the things we are working on."

The guide says the tour also works as a recruitment tool.

"On one of the first tours I gave, there were two sisters looking to enter into university and actually took the tour to see what the university was doing on the sustainability front.

It was something that meant a lot to them and was a determining factor as to what school they were going to attend," said Charron. "Sustainability on campus is a huge component with respect to prospective students looking for schools that value sustainability."

The tour starts on the General Services Building's fifth floor, where Charron takes his troops through a virtual tour of the sustainability initiatives too vast to visit on a quick walking tour, including the Campus Community Garden and the new East Campus Village Graduate Student Residences, which were awarded silver in the Leadership in Energy and Environmental Design Green Building Rating System, which are presented annually to encourage and promote sustainable, green building and development practices globally.

From there, the tour heads to the Students' Union Building, home of a number of sustainability initiatives, including Safe Walk, the Campus Food Bank and ECOS, the Environmental Co-ordination Office of Students, to name just a few.

Charron says along the way he likes to point out the nuances of campus sustainability, such as the Connect by Hertz car-share program—the first of its kind in Canada—the anti-idling



Remi Charron stops at one of his Campus Sustainability Tour highlights, the ECOS naturalization project in the Education courtyard.

Care For Our Air initiative, the fleet of zero-emission grounds crew vehicles and even the length of the university keeps its grass.

"The grounds crew raised the blades on their mowers from two inches to three inches, which allows them to cut the grass every seven days instead of every five," said Charron.

The tour ends up at the Education Building, which features full recycling stations on every floor as well as a naturalization project in the courtyard run by ECOS.

“When it comes to campus sustainability, there is more going on than the eye reveals, but until somebody points it out you would never know.”

Remi Charron

requirements of foreign species. We talk about biodiversity, root systems and even evolution."

Charron's gem of the tour, however, is Triffo Hall, the university's LEED gold building and the most sustainable building of any of the U of A's five campuses.

"Triffo Hall is not only esthetically pleasing, it has some pretty nifty

features," he said, pointing out the rain collector on the roof, which is used to supplement water use in the building. More than 80 per cent of the spaces in the building are naturally lit. "The building was originally constructed in 1915, so there is always a debate whether it would be better to demolish and reconstruct from nothing, or do what the university did. In terms of the reuse of materials, starting again is quite negative because you are tearing down something that has a lot of value and replacing it with new materials."

While Triffo Hall is Charron's favourite stop on the tour, his surprise is the industry-leading sustainability initiatives undertaken by Aramark, the company that has the contracts for most of the U of A's dining services. In addition to an extensive composting program, Aramark is piloting a reuse program for containers. For Aramark's sustainability practices, the company was named one of Canada's top 50 greenest employers—as was the U of A.

"Some of their practices and policies are really cool," said Charron. "They are dedicated to sustainable practices, like the U of A."

"Partnerships like that are why the university is a leader in sustainability." ■

SAW highlights the university's green side

Folio Staff

An art exhibition, a bike-powered party, various workshops and film screenings, a lecture from the acclaimed author Chris Turner, and a building tour of Triffo Hall, the U of A's greenest building, are just a few of the more than 40 events happening during this year's Sustainability Awareness Week at the University of Alberta.

The goal of Sustainability Awareness Week is to educate the campus community on how to become more aware of sustainability issues, learn more about campus sustainability and develop sustainability skills of their own. The week of events is co-ordinated by the Office of Sustainability with the help of more than 25 student groups and campus organizations.

The week's official kick-off takes place on Monday, Oct. 18, in Quad on North Campus. President Indira Samarasekera, along with Students' Union President Nick Dehod, and the Director of Sustainability, Trina Innes, will open the week. On Oct. 19 at 5 p.m., one of Canada's leading writers and speakers on sustainability and the global clean-tech industry, Chris Turner, will offer a sneak preview of his soon-to-be released book on the global sustainability movement. The author of the 2007 bestseller *The Geography of Hope: A Tour of the World We Need* will present a field guide to making the big jump from the world's unsustainable track to a sustainable one.

On Oct. 21, participants will be guided through the LEED gold-certified Triffo Hall by the renovation's architect. The tour will highlight the features that help make the building the greenest on campus, and will showcase features including rainwater capture and re-use, day-lighting, natural ventilation and extensive materials reuse. Also on Oct. 21 will be a guided tour of the Art Gallery of Alberta's newest exhibition Edward Burtny's Oil. This important exhibition follows internationally acclaimed Canadian artist Edward Burtny's decade-long photographic exploration of the subject of oil. Burtny's large-scale photographs explore three aspects of oil: extraction and refinement, motor culture and the end of oil. The 55 works in this exhibition present a new, modern landscape, altered by industry and human intervention.

The week will end off with the Party with a Purpose in Dinwoodie Lounge Oct. 22. Attendees will enjoy a locally-sourced dinner and locally brewed beer. After dinner, 10 bike generators will power live music from Jom Comyn, Boogie Patrol and Holly Arntzen and Kevin Wright with their Dream Band. Tickets are \$15 for both the dinner and concert, or \$10 for one event. Grab tickets from Campus Sustainability Coalition, Music is a Weapon, Environmental Co-ordination Office of Students, Edmonton Bicycle Commuters' Society or InfoLink booths. For a complete schedule of events go to www.sustainability.ualberta.ca. ■



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October 18-23, 2010

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- Become more aware of sustainability topics
- Learn more about campus sustainability
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Literacy is going to the dogs

Jamie Hanlon

University of Alberta researcher Lori Friesen's classroom assistants are very attentive, love to listen to children read and can keep their composure in a classroom full of energetic Grade 2 students. However, her assistants are more likely to lick the students' faces than give them a gold star.

Friesen's says her work with her "literacy dogs," Tango and Sparky, in one city-area classroom yielded some highly positive successes for the children and her research.

In Friesen's research, children signed up for weekly reading or writing sessions with her and one of the dogs. During that time, they would read student-selected, high-quality children's literature, or work on the student's writing.

Friesen said the small group work seemed to ease some children's trepidation when it came to reading aloud. Using picture cues or clues to provide context in the story, Friesen helped students learn new words or overcome challenges with other words—lessons, she says, the students grasped and applied to try and help the dogs understand new words as well. She said that the students perceived her dogs as "little buddies," whose pres-

ence encouraged the students to read aloud.

However, Friesen, whose findings will be published in an upcoming edition of the journal *Language & Literacy*, is reluctant to call her work "animal-assisted therapy," since she says the notion does not accurately reflect what she and her dogs do when working with the children. Friesen notes that any classroom activities she and her dogs undertake have to align with curriculum outcomes.

“Animal-assisted literacy learning is about how children experience literacy learning in a safe, supportive, effective, meaningful and exciting learning environment.”

Lori Friesen

“This is a goal-oriented activity; we’re not doing therapy with children,” said Friesen. “Animal-assisted literacy learning is about how children experience literacy learning in a safe, supportive, effective, meaningful and exciting learning environment.”

Further, quiet opportunities to cuddle with the dogs while working closely with their classmates and with a caring adult seemed to provide a special form of support for these children's classroom literacy learning.

Friesen notes that Grade 2 is a crucial time period for students developing the potential to become lifelong readers, or to turn away from reading. However, the dogs seemed to be an important catalyst in the children's motivation to display and engage in a committed habit of reading.

“One-third of the class began read-

ing to or writing with their own dogs at home, and were choosing to read when otherwise they wouldn't,” she explained. “Their parents reported that these children didn't used to talk about school at home, but now when they got to the dinner table, the parents heard all about Tango's favourite books—it was the first time they actually knew what their children were reading at school.”

Friesen said the impact this work had on the children was remarkable. She also noted that the reaction from parents was positive in terms of how motivated children were to read with the dogs. In fact, one child's parents noted that he refused to go on a family vacation because it meant he was going to miss a turn. Many of the parents also noted that if their child was lacking motivation to go to school, if

they were reminded that Tango and Sparky were going to be there, they'd be at the door in no time at all.

“The classroom teacher, as well as many of the parents, noticed positive changes in the children's reading behaviours and an increase in their confidence,” she said. “The children were constantly learning and engaging with text in new ways. This is what literacy should be about for children.” ■



Lori Friesen uses "literacy dogs" to stimulate children's love of literacy.

Guru of information quality garners Martha Cook Piper Research Prize

Geoff McMaster

In 2005, a 64-year-old Pakistan refugee was deemed inadmissible to Canada because of his alleged connections to terrorism. Ifrikhar Shoaq Jalil's case went to appeal, and U of A library scientist Lisa Given was called in to assess the quality of evidence, including documents submitted by the Canadian Security Intelligence Service.

What Givens found was shocking she says. While there was certainly legitimate police intelligence among court documents, it was supplemented by a substantial amount of information drawn from questionable sources, such as media reports, Wikipedia, independent blogs and terrorist portals.

"In some cases there was absolutely no citation or referencing, no way to verify [the information]," says Givens. The case, and especially Givens' contribution to it, was ground-breaking—the first, in fact, to identify deficiencies in evidence used by the federal government to connect a defendant to a terrorist organization.

Since then Givens has testified for 16 high-profile cases as well as a review of the information assessment practices of CSIS. Only nine years after finishing her doctorate, the acting director of the U of A's School of Library and Information Studies has become a world leader in qualitative

methodology, specializing in just how people go about finding, compiling and using information.

In roughly a decade of professional life, the recipient of this year's Martha Cook Piper Research Prize has 73 publications to her credit, including the *Sage Encyclopedia of Qualitative Research Methods*, and 218 presentations, including 48 keynote addresses and workshops to more than 1,500 scholars around the world.

Among her many interests is the physical design of libraries and how well they meet the needs of students. In one study she followed a group of U of A undergraduates around campus to see which study spaces they found useful and which were counterproductive. The latter included a floor of the Cameron Library before its recent renovation.

"I remember students would be playing poker, throwing food and jumping on chairs," she said. "What I used to think of as an animal-house approach to university." Such places were clearly conducive to socializing, "but if students really had to knuckle down and do their academic work, they would search out places where they had more privacy, where it was quieter, or where they had better access to equipment."

But it's important to remember there are also those who can't work in quiet spaces, she adds. "We often think we need spaces to be quiet and

calm, but I'm one of those people who like noise and movement.

"We tend to have stereotypes about what a library should be. 'It's not just about reading and quiet concentration... social aspects are also important, so how do we channel that? If people are working on a group project, for example, it's important that they can find a place to brainstorm, be loud and have PowerPoint running, because that's a legitimate use of library space."

"There isn't a one-size-fits-all approach. Everybody is unique and needs their own way to be successful."


In addition to the information needs of students, lawyers and the court system, Givens has also assessed Canadian ethics and integrity practices for social sciences and humanities scholars, and seniors' access to health information online. And if that weren't enough, she has a passion for postmodern critical theory, with a book on the subject forthcoming.

"My area of work, information behaviour, really allows for this lovely mix of disciplines, where I can still play with [Michel] Foucault or [Jacques] Derrida, but there's this lovely pragmatic outcome as well. "You can pursue your passion. Whether music or chemistry, it doesn't matter—it's the information component that ties us together."


The Martha Cook Piper Research Prize was established to commemorate the significant contribution Martha Piper made to the research community while vice-president, research, and vice-president, research and external affairs, at the U of A between 1993 and 1996. ■



Lisa Given



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Tri-Council Monitoring Visit Information Session
Thursday, October 21, 2-4 p.m.
Engineering Solarium (ETLC 2-100)

All U of A researchers who hold Tri-Council funding are strongly encouraged to attend.

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Moving closer to outdoor recreation not a recipe for being more physically active

Jane Hurly

You'd think that people choosing to live near to outdoor recreation amenities would have a lower body mass index, or BMI, thanks to an increase in all that healthy outdoor activity right on one's doorstep. Yet a new University of Alberta study looking at the relationship between reasons for choosing a neighbourhood to live in, physical activity and BMI, shows that's simply not the case.

In fact, researchers found that those who said choosing a neighbourhood that was close to outdoor recreation opportunities was important to them actually showed an increase in BMI over the six years of a longitudinal study conducted from 2002 to 2008, and led by Tanya Berry of the Faculty of Physical Education and Recreation.



Tanya Berry

"One of the things we analyzed in this paper was the movers and non-movers," says Berry. "Those who had moved over the six years of the study and had indicated that choosing a neighbourhood for ease of walking was very important to them had a very stable BMI and didn't change much over the six years."

Berry and her team conducted two studies, one longitudinal (from 2002–2008 with 822 participants) and one cross-sectional (2008 with 1,505 participants), to look at the relationship between BMI and neighbourhood walkability, socio-economic status, reasons for choosing their neighbourhood, how physically active they were, fruit and vegetable intake, and demographic variables

such as age, gender, job status and education, which were self-reported.

Berry says the relationship between those who chose to move

to a walkable neighbourhood and BMI was clear. "For those people who had moved for ease of walking and who thought it was important, their BMIs didn't change and they were able to maintain their weight. But for those for whom it was not important at all, they showed an increase in BMI and that was matched with the cross-sectional data."

Berry says that, as expected, those in lower socio-economic status neighbourhoods had higher BMIs. "Socio-economic status is an important factor and we really should be paying more attention to how to help people in lower SES neighbourhoods overcome health barriers they face."

"Those who are choosing neighbourhoods because they can walk are, at least in terms of BMI, the healthiest of all. So this is a very important factor in the built environment/BMI relationship and needs further study."

The study was published in the *International Journal of Behavioral Nutrition and Physical Activity*. ■

Discovery may lead to addiction prevention

Quinn Phillips

Dopamine makes you feel good, and when the neurotransmitter is released in the brain it helps cells develop and learn. This process is called reward-cued memories and can be a major contributor to addiction and obesity, says Bill Colmers in the Faculty of Medicine & Dentistry at the University of Alberta. But his research group has found a way to halt this action.

This discovery may lead to preventative measures for addiction to drugs and treatment for obesity.

"Obese people can often become very fixated on their fridge," said Colmers. "So using drugs in the appropriate fashion, for example, might be able to disassociate the idea of reward and place."

Rewards, such as high-caloric foods or substances of abuse such as cocaine, heroin and amphetamines, cue the release of the chemical messenger dopamine. Colmers and his research group found that dopamine aided in developing spatial memories, which are memories of where the subject found its rewards. Colmers found that another neurotransmitter called neuropeptide Y can halt the process of cellular learning.

"You can find the fridge and you know there's good stuff in there, so you can find it in your sleep, and people do," said Colmers. "So there's this whole reward aspect to the place [where the reward is found] that we've been able to unravel."

The researchers looked at a specific part of the brain called the dentate gyrus. The scientists used brain slices from laboratory models and found that dopamine strengthened cellular learning. Doing the same experiment with neuropeptide Y, applied together with dopamine, prevented cellular learning from happening.

The group had a chance to do this in human brain slices taken from patients undergoing therapy for temporal lobe epilepsy. The human brain cells showed the same properties as cells found in laboratory models.

This discovery, which is published in the October edition of the *Proceedings of the National Academy of Sciences*, is still early science for the lab and has raised more questions for the group, including one very important one.

"The next question I think really is going to be how we translate this in to something we can use in the clinic," said Colmers. ■

“Those who are choosing neighbourhoods because they can walk are, at least in terms of BMI, the healthiest of all.”

Tanya Berry

Finding out why hunger is harder on some kids

Raquel Maurier

A University of Alberta medical researcher is studying obese children afflicted with a life-threatening syndrome that makes them constantly feel hungry.

The children Andrea Haqq is working with have a chronic genetic condition known as Prader Willi Syndrome, which affects more than 3,000 Canadians. It is the most common genetic cause of childhood obesity but there is no cure, although researchers like Haqq are trying to better understand and manage the condition and its symptoms.

Haqq and her research team want to hone in on two key areas for the studies. Specifically, they want to determine why children with this

syndrome have higher levels of a hunger hormone known as ghrelin, compared to obese children without this syndrome. The researchers also want to see how the children's bodies are impacted by a higher protein meal, versus a lower protein meal.

"These children are so hungry that parents are sometimes forced to put locks on their refrigerators, never leave food on the counter or institute no-food-sharing rules," says Haqq, a pediatric endocrinologist and associate professor of pediatrics with the Faculty of Medicine & Dentistry.

"These children are so hungry they can be very creative when it comes to trying to get food. I know of one child who ordered pizza to be delivered to his neighbours' house and then went next door and got the pizza."

Haqq is conducting two studies to see if higher protein meals will make these children feel full even though they have high levels of ghrelin. She also wants to see if there is link between low protein levels in their brains, their insatiable appetite and other brain functions. Haqq explained there is some evidence that ghrelin may be impacted by protein, but this has not been well studied in children with Prader Willi Syndrome.

The second study will look at a protein level in the brain known as brain derived neurotrophic factor, which is responsible for brain growth. This protein level is significantly lower in children who have Prader Willi Syndrome, compared to obese children without the syndrome. Haqq wants to see

if there is a link between the low protein level and hunger and brain functions in obese children with Prader Willi Syndrome, and compare that to obese children without the syndrome.

Haqq currently has eight obese children involved in the studies but is prepared to see up to 45 children in total as part of her current and upcoming research projects. Haqq is studying obese children between the ages of five and 17, some with the syndrome and some without so she can compare the results of the two groups.

Anyone interested in taking part in the study can call 780-407-7241 for more information.

Haqq's findings were recently published in the *Journal of Clinical Endocrinology & Metabolism*. ■



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news [shorts]

folio presents a sample of some of the research stories that recently appeared on ExpressNews, the U of A's online news source, and other campus news sources. To read more, go to www.expressnews.ualberta.ca.

Embracing the maple leaf

Mary Simon, president of the national Inuit advocacy group Inuit Tapiriit Kanatami (Inuit are united in Canada), said in her Hurtig lecture presentation Sept. 25 that many challenges face Canada's Inuit communities.

Her talk, entitled "Inuit in Canada—Embracing the Maple Leaf," focused on a long-standing crisis in education for the Inuit, calling the need for change "a moral imperative."

Simon, who has spent her entire career as an advocate for Inuit and northern concerns and has served as senior Inuit negotiator for both the repatriation of the Canadian constitution in 1982 and the Charlottetown Accord negotiations, says that the issue is of significant concern for the Inuit and Canada, especially within the context of Canada's future.

"Improving outcomes in Inuit education will have the biggest impact on the health of our communities and the prosperity of our country," said Simon. "In order for the northern strategy and Canada's Arctic foreign policy to make a meaningful contribution to Canada's prosperity and security, we need healthy, educated people living in Canada's Arctic."

She said any discussion on the future of Canada must include making significant changes to Inuit education, a structure she says is at least five decades behind most of the rest of Canada.

As an ethnic population, the Inuit statistically have the largest group of young people in the country, and, says Simon. "This growing demographic is making its way through the school system right now. As a group, we are distancing ourselves from the long shadow of residential school policy by reshaping our education system around our history, our language and our culture."

Living our promise

The University of Alberta and its people are dedicated to the promise made in 1908 by founding President Henry Marshall Tory, that the university will act in the spirit that "... knowledge shall not be the concern of scholars alone. The uplifting of the whole people shall be its final goal."

In the 102 years since Tory uttered those memorable words, generations of U of A students, faculty, staff and alumni have carefully built on and fulfilled that promise to the community. That journey continues. A website debuted Sept. 24 that showcases the promise and tells the stories of U of A people—through their own words and with photos—who are living the promise every day and contributing to our local and global community. To watch some of these stories, go to www.promise.ualberta.ca.

The hunt for hepatitis C

Discovering the hepatitis C virus and then developing tests that better protected the blood supply, was the focus of Michael Houghton's keynote address during the Faculty of Medicine & Dentistry's Inaugural Professorial Lectures Sept. 27.

Houghton, Canada Excellence Research Chair in Virology, talked about his years spent trying to pinpoint the hepatitis C virus.

"It was like trying to find a needle in the haystack in the dark," says Houghton. "We spent years trying to find this virus with no success, lots of work and lots of frustration. But we never gave up. We finally had one successful experiment in 1989 after seven years of research, and that's when we identified the hepatitis C virus."

Prior to the discovery, people getting a blood transfusion had a one-in-20 chance of contracting hepatitis C. Now the risk is less than one in a million. "The risk is so low, we can hardly measure it," says Houghton.

This year, 15,000 people in North America will die from hepatitis C. People who have the virus can develop liver cirrhosis, liver cancer and liver failure. The good news is that by 2015, more than 90 per cent of people living with hepatitis C will be cured, thanks to medications that will soon be approved. Houghton, who will spend his time in Edmonton working on a vaccine for hepatitis C and researching whether certain conditions like irritable bowel syndrome and epilepsy could be caused by an infection.

Another presenter at the Inaugural Professorial Lectures, Sangita Sharma, the new endowed research chair in Aboriginal health, talked about her work in the Canadian Arctic, where she gathered nutrition data, then worked with Aboriginal populations to come up with a program to reduce the risk of chronic disease. The next Inaugural Professorial Lectures will be held on Jan. 24, 2011.

Campus Saint-Jean holds mass book launch

Jamie Hanlon

The Salon du livre, an inaugural book launch held at Campus Saint-Jean Sept. 23, introduced six new tomes to its audiences and the launch of a website—all works produced by CSJ professors and researchers.

With topics ranging from the resolution of cultural conflict to conservatism in Quebec, to the history of French-influenced names in Saskatchewan and the diversity of knowledge in indigenous identity, the diversity of expertise at the university's French-language campus was proudly on display for attendees. However, Marc Arnal, dean of the campus, said it was also the opportunity to introduce the public to the hidden gem that is the campus.

"We said, 'there are a lot of people who don't know us, but there are also a lot who think they know who we are but they really don't,'" he said. "What we want to do with the Salon du livre is to spread the word about the fruits of our research labour, while focusing on the published books."

The presented books included *Stratégies pour écrire un texte explicative*, by Martine Cavanagh. The third in a series, Cavanagh's practical approach provides teachers with useful strategies on how to help students write strong comparison or cause-effect texts. Roger Parent's *Résoudre*

des conflits culturels explores intercultural exchange as a solution to modern cultural conflicts, while *Mémoire des noms de lieux d'origine et d'influence françaises en Saskatchewan*, by Carol

“Animal-assisted literacy learning is about how children experience literacy learning in a safe, supportive, effective, meaningful and exciting learning environment.”

Lori Friesen

Léonard, serves as a written history of the French toponymical influence in the naming of more than 2,500 Saskatchewan communities. Nathalie Kermol brings together the work of scholars in indigenous studies from Canada, New Zealand and the Pacific in *Indigenous Identities and Resistance and Le conservatisme au Québec*, by Frédéric Boily, offers the notion that a "quiet conservatism" existed in Québec after the 1960s and that conservatism remains an undeniable fact of that province's political history. Lastly, *Récits du XIXe siècle, by l'Institut d'études canadiennes*, studies the narrative structures employed by four Canadian historians.

classified ads

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9929 SASKATCHEWAN DRIVE. 2,351 sq. ft., 2 bdrms, 2 bath, \$3,000/month. Commanding view of the river valley and city centre! Executive living at its best. Many high quality upgrades. Some hardwood floors, carpet. Finest facilities include indoor pool, party and games, exercise rooms. Executive spacious living. Balcony is enclosed. Two parking spaces underground. All utilities included. Available Oct. 1/10 possibly earlier. Call Janet Fraser or Michael Jenner at 780-441-6441 or email jennfra@interbaun.com. Gordon W.R. King & Assoc. Real Estate.

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WEST COAST STYLE BI-LEVEL IN GRANDVIEW HEIGHTS. Bdrms: 5, baths: 2.5, area: 1,656 sq. ft., rent: \$2,200/month. Spacious southwest home in park setting. Grandview Elementary, bus service to South Campus, minutes from university and downtown on LRT. Two brick fireplaces, large kitchen, dining and living room. 3 bdrms up with 2 4pc bath, laundry room on main. 2 bdrms down, office area and large family room, lots of storage. Beautiful backyard with deck and double garage. Call Janet Fraser or Michael Jenner at 780-441-6441 or email jennfra@interbaun.com. Gordon W.R. King & Assoc. Real Estate.

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Arnal says that the event was a means to increase the community's awareness of the type and quality of research being done by the campus' researchers in French and believes that the objective was definitely achieved. He says that research is of key importance for his institution and points to two streams of research that are of growing importance: interculturality and applied mathematics. In terms of the research potential being produced by these areas, he notes that observers should "hang on to your hats; we're moving."

Arnal envisions the Salon du livre becoming a staple event for Campus Saint-Jean and noted that there appears to be no shortage of talent to showcase for next year, as five more books are already in the works by faculty members. He notes, however, that the current successes demonstrated by these published works owe a nod to the past work that has been done behind the scenes by CSJ staff. He cites a strong mentoring program of new professors and a solid working link to the North Campus' research office as examples of a commitment to building a research-focused campus in French.

"We've really done what we had to do to be where we are today," said Arnal. "I think the rise in the breadth, scope and quality of research—through judicious hiring and through the work of these pioneering professors who paved the way for us—is starting to pay off." ■

bdrm is spacious and offers walk-in-closet and 4 pce en-suite with Jacuzzi tub. Unique layout allows for extra light in basement, which features large family room and gas fireplace. Yard is private and impeccably maintained. \$1,950/month. Available for six-month rental (negotiable). 780-722-5130, jared@plainsinsurance.ca.

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Calgary Centre Speaker Series keeps it all in the family

Matthew Burns

While it is argued that family business is currently responsible for 60 per cent of Canada's gross domestic product and 70 per cent of new jobs created each year, this contribution is little known or understood, says a leading global researcher into family enterprise.

Lloyd Steier, academic director for the Alberta School of Business' Alberta Business Family Institute and the Centre for Entrepreneurship and Family Enterprise, shed greater light on the little-known importance of family enterprise to Alberta and Canada through his lecture entitled "Entrepreneurship, Innovation and Societal Wealth Creation in the Family Business Context."

"Whether it be corporate strategy, marketing, finance or organizational behaviour, much of the material people analyze on business relates to publicly traded companies," said

Steier. "However, the 'organizational landscape' contains many, many family firms and they are understudied and little understood."

Speaking to a capacity audience of alumni, entrepreneurs, professionals and other interested individuals, Steier's lecture kicked off season two of the U of A's Calgary Centre Speaker Series.

At the outset of the talk, Steier expanded on key factors leading to economic growth in the West from the late 19th century until today, which sprang from the commissioning of the Dominion Lands (Homestead) Act in 1872: Family and community building, innovation and entrepreneurship, and an investment in education.

Steier examined three leading global firms that show the strength of family in providing a strong base for growth and expansion. Looking at Wal-Mart, for example, Steier showed how founder Sam Walton was able to accumulate capital through family

connections in order to finance the first stores in his network. At the time of his passing, his initial investment was worth over US\$40 million.

"We often celebrate individual-action, 'lone wolf' models of entrepreneurship and firm success," said Steier. "At the same time, we underemphasize the important role of family. In Walton's case, access to family capital was critical to Wal-Mart's early expansion."

Steier shared a useful airplane analogy to describe factors impacting the success or failure of family firms. While entrepreneurship, good governance and networks are a plane's "thrust," he said its "drag" can come from succession planning, intergenerational wealth transfer and leadership struggles.

"The collective challenge for government policy makers and people is to realize the strength of family business as a viable economic contributor while minimizing its weaknesses," said Steier.

Steier and the Alberta Business Family Institute will be in Calgary to celebrate "An Evening with the Brew-

ster Family" on Nov. 2, 2010. For more information visit www.business.ualberta.ca/Centres/abfi.aspx. ■



Lloyd Steier shed greater light on the little known importance of family enterprise to Alberta and Canada during the U of A's Calgary Centre Speaker Series Sept. 28.

talks & events

Talks & Events listings do not accept submissions via fax, mail, e-mail or phone. Please enter events you'd like to appear in folio and on ExpressNews at: www.uofaweb.ualberta.ca/events/submit.cfm. A more comprehensive list of events is available online at www.events.ualberta.ca. Deadline: noon one week prior to publication. Entries will be edited for style and length.

Until Jan. 14, 2011

The John H. Meier, Jr. Governor General's Literary Award for Fiction Collection. This exhibition presents examples of first editions of all the titles that have won Canada's prestigious Governor General's Literary Award for Fiction from its inception to the present. Noon-4:30 p.m. Rutherford Library.

Until Nov. 9

Mini Medical School. Running every Tuesday for eight weeks, the Faculty of Medicine & Dentistry is presenting this lecture series on topics from dentistry and surgery to nutrition and acupuncture. 7-9 p.m. Bernard Snell Hall. Go to www.cpl.ualberta.

Until Oct. 22

2010 University of Alberta United Way Employee Campaign. Return your pledge form to the Campus United Way Campaign before Oct. 22 for your chance to win an Air Canada ticket. General Services Building. www.uofaweb.ualberta.ca/unitedway.

Oct. 8-10

Race-Making and the State: Between Postracial Neoliberalism and Racialized Terrorism. The primary purpose of this conference is to explore race-making, anti-racism, decolonization and the state. Lister Centre. www.critical-raceconference.arts.ualberta.ca.

Oct. 8-10

Golden Bears Basketball Invitational and Panda's Hoopfest. Main Gym. For a list of all Golden Bear and Panda athletics go to www.bears.ualberta.ca.

Oct. 9

Anton Kuerti and the Jacques Thibaud Trio. One of Canada's most celebrated musicians, the pianist Anton Kuerti, returns to Edmonton to perform with the Jacques Thibaud Trio. The concert program

features, in addition to works by Mozart and Beethoven, a rarely heard masterwork by Hermann Goetz, his quartet in E Major for piano and strings. 8 p.m. Convocation Hall Arts and Convocation Hall.

Oct. 12

Nanomedicine in Transplantation Symposium. This symposium will feature David Nemazee, professor at Scripps Research Institute, Geoffrey Strouse, professor at Florida State University, and Uri Galili, professor at the University of Massachusetts Medical School, all of whom have been successful in conducting multidisciplinary research across the fields of immunology, materials science and chemistry. 8:30 a.m.-12:30 p.m. Lister Centre. To register, go to www.glyconano-transplant.com.

Oct. 13

New Technologies, New Challenges. This research colloquium, "Building and Managing Online Identities For Professional (and Personal) Communication," features Brenda Chawner, professor at the School of Information Management, Victoria University of Wellington, New Zealand. Noon-1 p.m. 2-09 Rutherford South Aberhart Centre.

Oct. 14-16

Canadian Society for Continental Philosophy Annual Congress. Speakers include John Protevi and François Raffoul from Louisiana State University, Samir Gandesha from UBC, as well as Robert Burch, Karyn Ball, Chloe Taylor, Cressida Hayes & Paul Datta, from the U of A. \$60 for faculty, \$20 for students. CSC and Lister Centre.

Oct. 14

United Way Rummage Sale. The Population Research Lab staff will be holding a rummage sale in support of the United Way. Household items, toys, books and much more 9 a.m.-4 p.m. Tory Breezeway.

The Small World of Petrocarbons.

A lecture by Gordon Laird, journalist and author of "The Price of a Bargain: The Quest for Cheap and the Death of Globalization." 3:30-5 p.m. HC L-3 Humanities Centre.

22nd Annual McDonald Lecture in Constitutional Studies. The Honourable Justice Frank Iacobucci will give this lecture entitled "Canada's Response to Terrorism." 5 p.m. Timms Centre for the Arts. To RSVP go to www.law.ualberta.ca/centres/ccs/uploads/iacobucci%20poster.pdf.

A Dialogue with Frank Turk: Educational Issues with Deaf Learners. As a deaf educator with several decades of experience, Frank Turk will walk the audience through some of the important educational issues with deaf learners, past, current and future. 7:30-9 p.m. 2-115 Education North Education Centre, North & South.

Oct. 15

Health Ethics Symposium/Disability Ethics. The John Dosseter Health Ethics Centre invites you to a one-day symposium on disability ethics 8:45 a.m.-4:30 p.m. Wild Rose Room Lister Centre.

Edmonton and Houston: Sustainable Energy Landscapes. Robert Harriss, renowned for his sustainability research with organizations such as NASA, will discuss the similar histories and futures of Edmonton and Houston, Texas. Both fossil-fuel energy hubs, Houston has embraced and benefitted from the quest for alternative-energy sources and Harriss says Edmonton can follow the same path. 7 p.m. Centennial Centre for Interdisciplinary Science.

Oct. 17-23

Sustainability Awareness Week 2010. A week-long event filled with activities that raise awareness about the University of Alberta's efforts to "green" our campus. It engages students, staff and faculty in learning and actions that help the university become more sustainable. www.sustainability.ualberta.ca.

Oct. 18

Merv Leitch QC Memorial Lecture. Justice Thomas Cromwell of the Supreme Court of Canada. Noon-1:30 p.m. Room 231/237 Law Centre.

Energy and Environmental Economics Seminars. Alain-Desire Nimobona, Waterloo University will give a talk Green Technology Transfers and Border Tax Adjustments. 8-22 Tory. 3:30 p.m.

Oct. 18

CIHR Catalyst Grants: Strategies for Success. CIHR's Catalyst Grant Program will be described including how and when to find funding opportunities. Speakers include Katharine Magor, professor in the Department of Biological Sciences, and Marilyn Desrosiers, deputy director, Targeted Initiatives Branch, CIHR. 1-2:15 p.m. Dvorkin Videoconference Room, 2G2.07 U of A Hospital. To register go to rsregistration.ualberta.ca/CourseDescription.do?courseid=4572

Oct. 19-26

Campus United Way Campaign Auction. Many great gift items to bid on. www.campusauctionmarket.com

Oct. 19

Temporary Foreign Workers in Nursing: Alberta and Manitoba Perspectives. The Work and Learning Network in partnership with the Prairie Metropolis Centre host a Temporary Foreign symposium 10 a.m.-3:30 p.m. Aberhart Centre.

Connects Career Explorer: Science Communicators. Features a panel of professionals on careers in communicating science: Shannon Jones, communications advisor for the National Institute for Nanotechnology, Hanneke Brooymans, environmental reporter for the Edmonton Journal, and Torah Kachur, co-founder of Science In Seconds and sessional instructor at Grant MacEwan. 11:30 a.m.-1 p.m., Faculty Club.

The Great Leap Sideways. Critically acclaimed author of the 2007 bestseller of "The Geography of Hope: A Tour of the World We Need," Chris Turner, speaks about sustainability. Telus Centre, room 150. 5-8 p.m. 150 TELUS Centre.

Oct. 20

United Way Super Sub Day. Meat or Veggie Sub and Beverage for only \$5. Proceeds to the campus United Way Campaign. 10:30 a.m.-1:30 p.m. Physical Education and Recreation Centre, Van Vliet.

Oct. 21

Tri-Council Monitoring Visit Information Session. The Tri-Council Agencies (CIHR, NSERC and SSHRC) will be holding a monitoring visit at the U of A. Topics for this session include the roles and responsibilities of the U of A and Tri-Council agencies and discussion about the use of grant funds. All university employees involved in the management of Tri-Council funding are strongly encouraged to attend. 2-4 p.m. Solarium in the Engineering Teaching and Learning Complex.

Winspear 1 Symphonic Wind Ensemble. 8 p.m., Winspear Centre.

Oct. 21-23

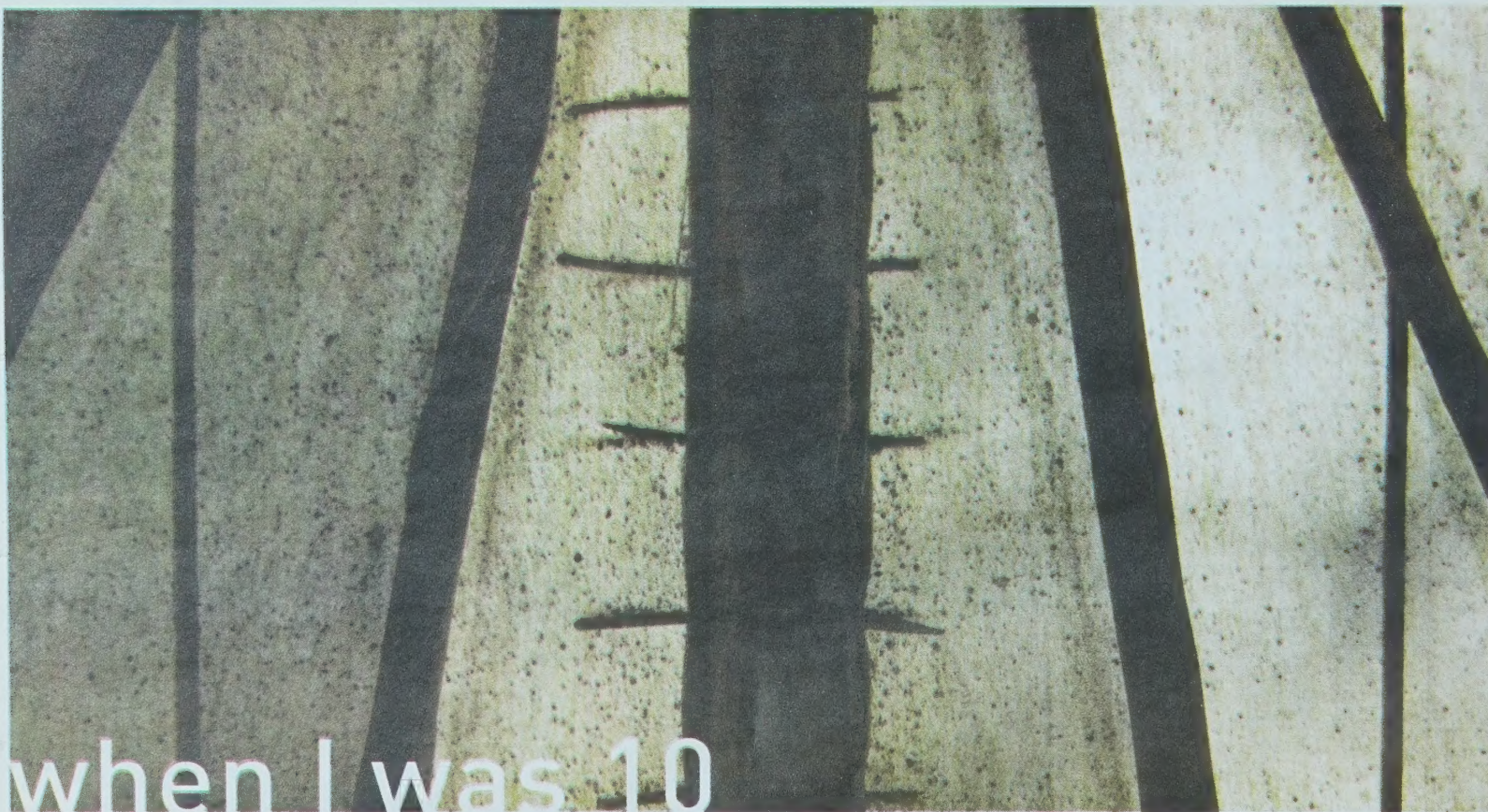
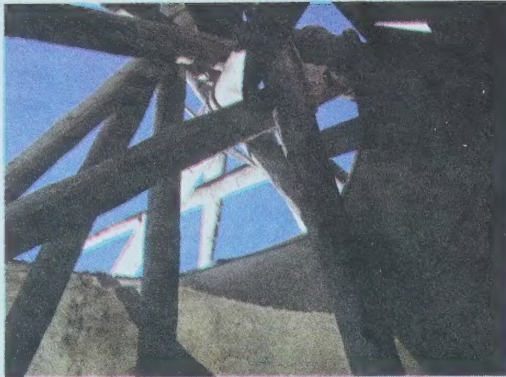
Taking the Next Steps: Sustainability Planning, Policy and Participation for Rural Canadian Communities. 7 p.m. Faith and Life Centre. <http://www.augustana.ualberta.ca/centres/acsrc/TakingtheNextSteps/>

Oct. 22

2010 Margaret Scott Wright Research Day. 8 a.m.-4 p.m. Lister Centre. www.uofaweb.ualberta.ca/nursing/mswday.cfm

Oct. 23

University of Alberta Open House. Each October the U of A holds its annual Open House featuring a booth fair, presentations, campus tours, special events and prize giveaways. 9 a.m.-4 p.m. Butterdome.



When Rodney Corkum's Grade 5/6 class at Inglewood Elementary had the opportunity during the last weekend of September to attend the University of Alberta's U School—a new Senate program that encourages low-income students to spend time in a post-secondary environment—they jumped at the chance. And focused, aimed and clicked their way around campus, capturing the beauty of the U of A campus in fall.